

AMULET 5 MEDIA RECORDER

Quick Start Guide



Table of Contents

OVERVIEW

- 2 Safety Instructions
- 4 What's Included
- 6 Front Panel
- 7 Top and Side Panels
- 8 Rear Panel

CONNECTING VIDEO

- 9 High-Definition TVs
- 10 Standard-Definition TVs

CONNECTING AUDIO

- 13 Stereo
- 14 Surround Sound

CONNECTING TV SOURCE

- 15 Cable or Antenna
- 16 DVB-CI+ Card

CONNECTING NETWORK

- 17 Wireless or Wired

POWERING UP

- 18 Setting Up Remote Control
- 19 Installing/Uninstalling USM Drive
- 21 Connecting to Power Source
- 22 Declaration of Conformity

COPYRIGHT

©2013 Entone, Inc. All rights reserved. This document contains proprietary information protected by copyright. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Entone, Inc., 20863 Stevens Creek Blvd, Suite 300, Cupertino, CA 95014, U.S.A.

DISCLAIMER

IF THIS PRODUCT DIRECTS YOU TO COPY MATERIALS, YOU MUST HAVE PERMISSION FROM THE COPYRIGHT OWNER OF THE MATERIALS TO AVOID VIOLATING THE LAW WHICH COULD RESULT IN DAMAGES OR OTHER REMEDIES.

TRADEMARKS

Entone and the tagline "Connecting the Home" are trademarks of Entone, Inc. All other trademarks or registered trademarks belong to their respective owners.

This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

CHANGES

The material in this document is for information only and is subject to change without notice. While reasonable efforts have been made in the preparation of this document to assure its accuracy, Entone, Inc. assumes no liability resulting from the use of the information contained herein. Entone, Inc. reserves the right to make changes in the product design without reservation and without notification to its users.

Important Safety Instructions

- **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prongs are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- To reduce the risk of electric shock, DO NOT remove cover or back panel. No user serviceable parts inside. Refer servicing to qualified personnel.

Important Safety Instructions (Continued)

- To help prevent electric shock, plug the power cable into properly grounded sources. Use only properly grounded extension cords and adaptors, if they are needed.
- The AC main plug is used as the disconnect device, the disconnect device shall remain readily operable.
- Make sure nothing is lying on any of the cables.
- Be sure the cables are located where they will not be stepped on or tripped over.
- Do not spill food or liquids onto the unit.
- Do not push any objects into the free slots. Doing so will damage the unit, can cause fire or electrical shock, and can short out interior components.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not block cooling vents.
- Do not place the equipment in a closed-in wall unit.
- When you disconnect a cable, pull on its connector or on its strain relief loop, not on the cable itself. Some cables have a connector with locking tabs; if you are disconnecting this type of cable, press in on the locking tabs before disconnecting the cables.
- When you connect a cable, make sure both connectors are correctly oriented and aligned before connecting to avoid bending connector pins.
- For PLUGGABLE EQUIPMENT, the socket-outlet should be installed near the equipment for easy access.
- Changes or modifications not expressly approved by the party responsible could void the user's authority to operate this device.

What's Included



Amulet Media Recorder



IR Remote Control*



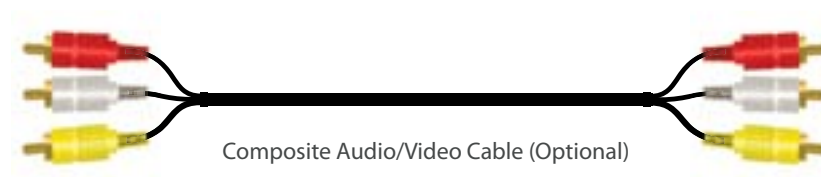
2 Batteries for
Remote Control



Amulet Quick Start Guide



Remote Control Guide



Composite Audio/Video Cable (Optional)



Ethernet Cable (Optional)



HDMI Cable (Optional)



AC Power Adapter

Additional items that may be required (not included):

- Ethernet Cable
- SCART Cable
- HDMI Cable
- RF Coaxial Cable
- Digital Audio Cable
- Network Router
- DVB-CI+ Card with Smart Card

*The Remote Control may vary on your service provider.

Amulet — Front Panel



Name	Description
1 Power	Solid blue indicates the unit is on. Solid red indicates the unit is in standby mode. Flashing blue indicates the unit is booting up. Press button once to put unit in standby mode, press again to resume. To reboot the device, press and hold button for at least 5 seconds.
2 SD Card Reader	To read or transfer content from a compatible SD flash memory card.
3 USB	To connect USB devices such as USB flash drive and external USB hard drive. (max 500mA load)
4 Link Indicator	Blue dot indicates that Ethernet or Wi-Fi network connection is active.
5 Clock	Displays current time set by your service provider. May not display time while device is booting up.
6 Record Indicator	Blue dot indicates a TV program is currently recording.
7 HD Indicator	Blue dot indicates current program is playing in HD (720p or higher) resolution.
8 USM Port	For inserting a universal storage module (USM) hard drive.

* Features may vary depending on your service provider. Contact your service provider for more details.

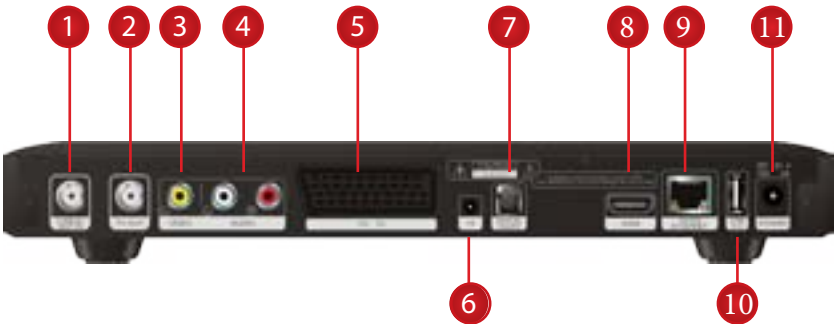
Amulet — Top and Side Panels



Name	Description
1 Smart Card Port*	For use with SIM format Smart Card only.
2 DVB-CI+ Port*	For use with DVB-CI+ Card only (provided by your service provider).
3 Eject Pin Hole*	For ejecting a DVB-CI+ Card from the DVB-CI+ port.
4 7-Way Navigation + MENU*	Use Back, MENU, OK and Directional buttons to help with navigating the user interface without a remote control.

* Features may vary depending on your service provider. Contact your service provider for more details.

Amulet — Rear Panel



Name	Description
1 Cable/ANT In*	For connecting to a cable TV or antenna source.
2 TV Out*	For connecting to an RF TV for loop-through. (For Amulet 510 series, it should NOT be connected to in-house cable network)
3 Composite Video	For connecting to a standard-definition TV (SDTV).
4 Audio	Stereo audio output (Left / Right).
5 SCART	For connecting to a standard-definition TV (SDTV).
6 IR Blaster Port	For connecting to an IR Blaster.
7 Digital Audio	For connecting to an entertainment system that supports 5.1 Surround Sound audio.
8 HDMI	For connecting to a high-definition TV (HDTV).
9 Ethernet	For connecting to a wired network.
10 USB	To connect USB devices such as USB flash drive and external USB hard drive. (max 500mA load)
11 Power	For connecting to a power source (100-240V, Output 12V/3A).

* Features may vary depending on your service provider. Contact your service provider for more details.

STEP 1: CONNECTING VIDEO

Amulet provides up to four video options for connecting to your TV: HDMI, SCART Composite Video and Coaxial. Select a video option then proceed to “Connecting Audio” on page 13.

Make sure your TV is turned on and the correct video input is selected.

Option 1: HDMI (Recommended)

★★★★★

HDMI™

HIGH-DEFINITION MULTIMEDIA INTERFACE

Delivers the best video & audio quality via a single cable

If your TV has an HDMI connection, use an HDMI cable (may not be included) and connect Amulet to the HDMI IN port on your TV. This connection provides both video and audio so you do not need a separate audio connection. Proceed to “Connecting TV Source” on page 15.



Option 2: SCART

Use a SCART cable (not provided) and connect to the SCART port on your TV. This connection provides both video and audio so you do not need a separate audio connection. Proceed to "Connecting TV Source" on page 15.

If you have selected HDMI as your video connection, then do not use this cable.



SCART

Delivers good picture quality



Option 3: Composite Video

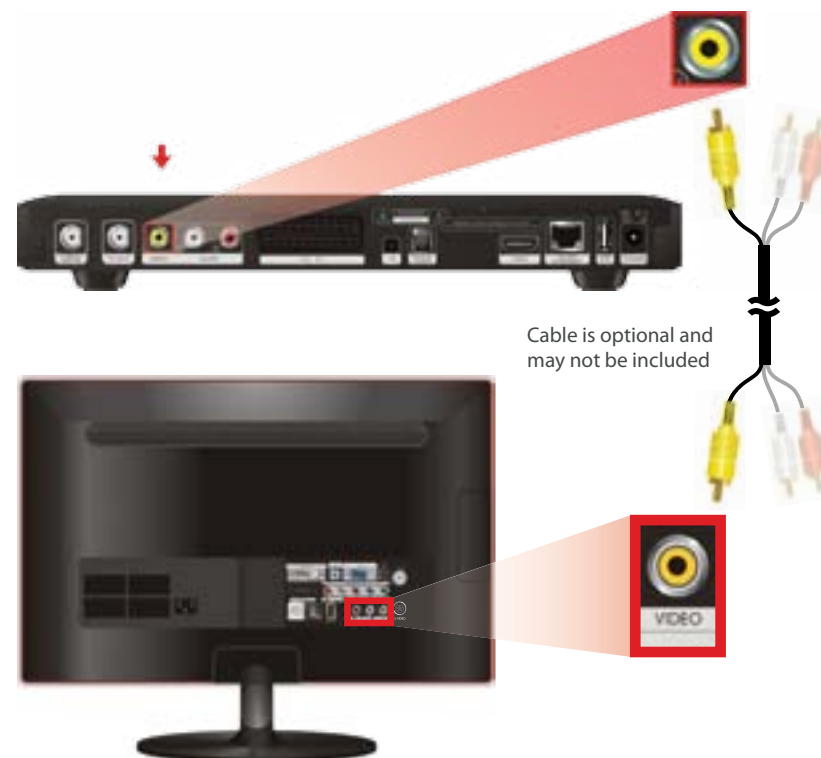
Use the Composite cable (may not be included) and connect the yellow cable to the yellow VIDEO IN port on your TV. Then proceed to the next step ("Connecting Audio") to connect the red/white cables.

If you have selected HDMI as your video connection, then do not use this cable.



Composite Video

Delivers good picture quality



Option 4: Coaxial (Optional)

Use a Coaxial cable (not provided) and connect the cable to the ANTENNA IN port on your TV. This connection provides both video and audio so you do not need a separate audio connection. Proceed to "Connecting TV Source" on page 15.

★
Coaxial Cable
Delivers good picture quality

NOTE: For Amulet 510 Series, this should not be connected to the in-house cable network

If you have selected HDMI as your video connection, then do not use this cable.

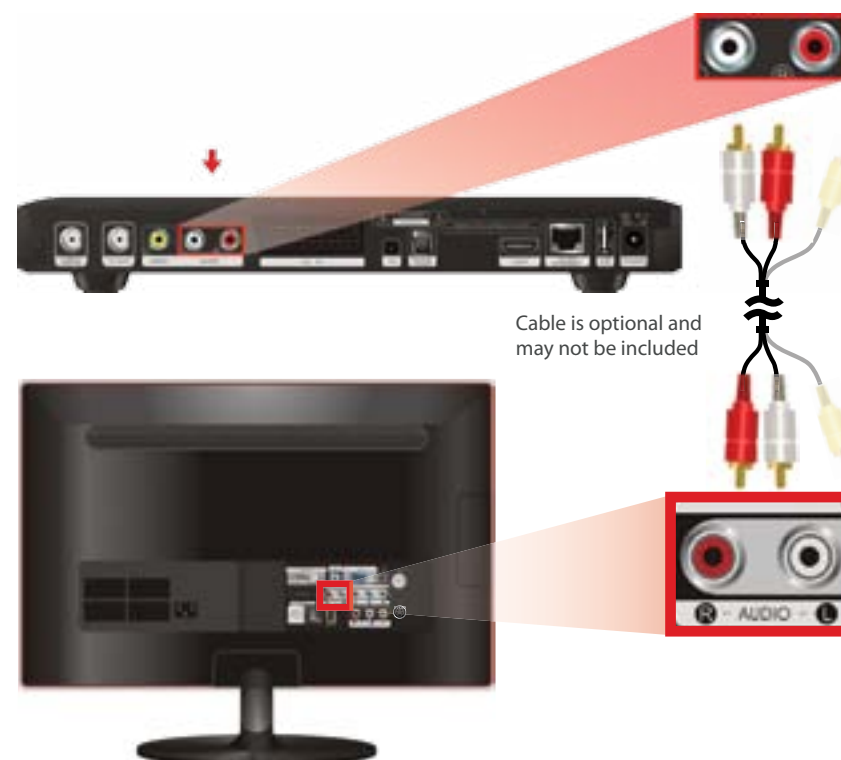


STEP 2: CONNECTING AUDIO

NOTE: If you have selected HDMI, SCART or Coaxial as your video connection, then skip this audio section and proceed to "Connecting TV Source" on page 15.

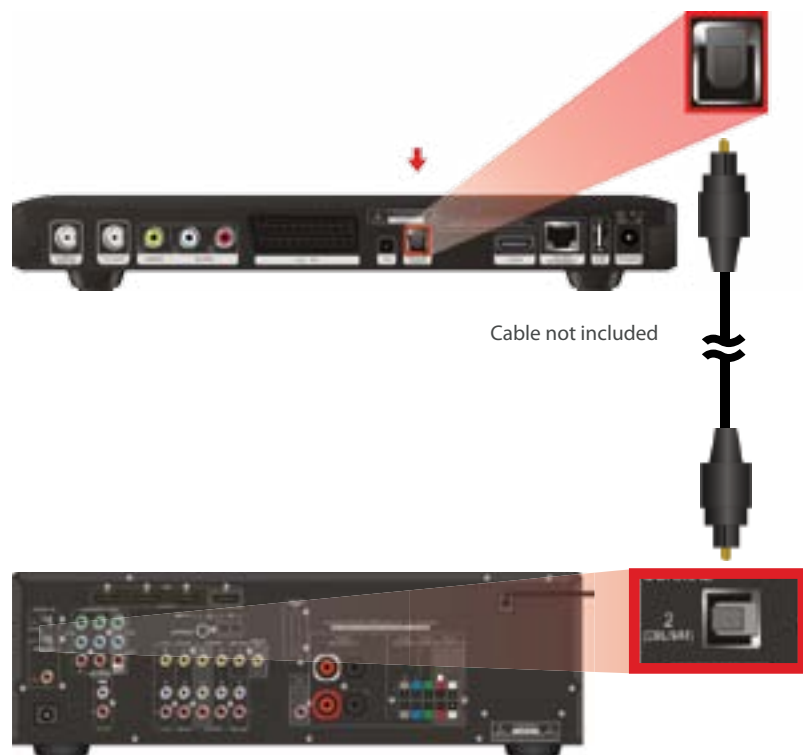
Option 1: Stereo

Use the Composite cable (may not be included) and connect the red and white cables to the Amulet A/V Out port and the red and white cables to the AUDIO IN port on your TV.



Option 2: Surround Sound

If your TV is connected to an A/V Receiver that supports 5.1 Surround Sound, use a digital audio cable (sold separately) to connect Amulet to the OPTICAL AUDIO IN port on your A/V Receiver.



STEP 3: CONNECTING TV SOURCE (OPTIONAL)

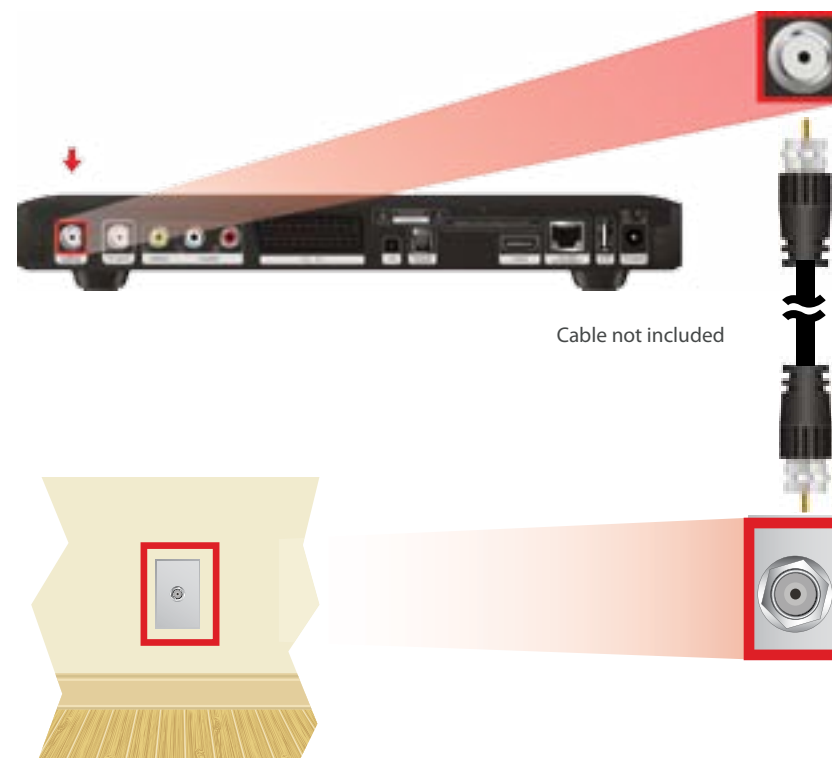
Amulet allows you to receive live TV programming from a Cable TV or Antenna source. Select a TV source option below and connect an RF coaxial cable (sold separately) from the Cable TV or Antenna.

Option 1: Unencrypted Cable TV

Option 2: Antenna (Indoor or Outdoor)

Option 3: Premium Cable TV with DVB-CI+

NOTE: If you selected option 1 or 2, then proceed to "Connecting Network". If you selected option 3, proceed to STEP 4: Installing CableCARD.



STEP 4: INSTALL DVB-CI+ CARD (OPTIONAL)

DVB-CI+ Card is a PCMCIA card that allows access to premium digital cable programming. DVB-CI+ Card together with the Smart Card are available from your local cable service provider. It is an optional feature for Amulet. Contact your service provider for more details.

1. Insert the DVB-CI+ Card properly into the device.
2. The Smart Card will need to be paired with your cable TV service. Refer to the instructions from your service provider for more details on how to pair your Smart Card.

NOTE: The pairing process may take a while depending on your cable service provider. If you have not received your premium programming in one hour, please call your service provider for troubleshooting tips.



STEP 5: CONNECTING NETWORK

Select from one of the following networking options.

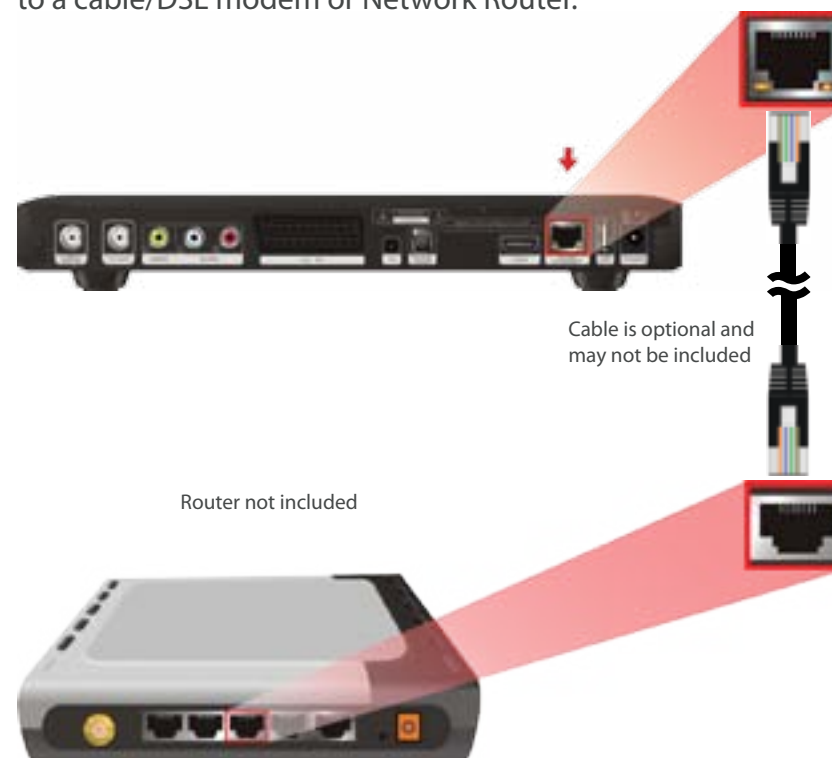
Option 1: Wireless

Connect your Amulet to a Wireless Network Router or Access Point.

NOTE: Internal Wi-Fi is an optional feature for Amulet. Contact your service provider for more details and instructions on how to configure Amulet for your wireless network.

Option 2: Wired

Connect an Ethernet cable (may not be included) from Amulet to a cable/DSL modem or Network Router.



STEP 6: POWERING UP

Setting Up Remote Control

1. Open the battery cover by pressing down on the battery cover latch and sliding it off.
2. Insert the batteries, matching the "+" and "-" marks on the batteries with the interior of the remote control.
3. Snap on the battery cover to close.

NOTE: Refer to the Remote Control Guide for more details about other remote control features.

Installing USM Drive

Amulet provides an integrated Universal Storage Module (USM) port for DVR applications. You can easily install, upgrade or replace a compatible USM drive.

1. Open the USM flap located on front panel of the Amulet.
2. Insert the USM drive into the port.

NOTE: For security purposes, the USM port may be locked by your service provider. Contact your service provider for more details.



Uninstalling USM Drive

1. To safely eject the USM drive, push the release lever located on the bottom of the Amulet.



2. Remove the USM drive from the port and close the front panel flap.

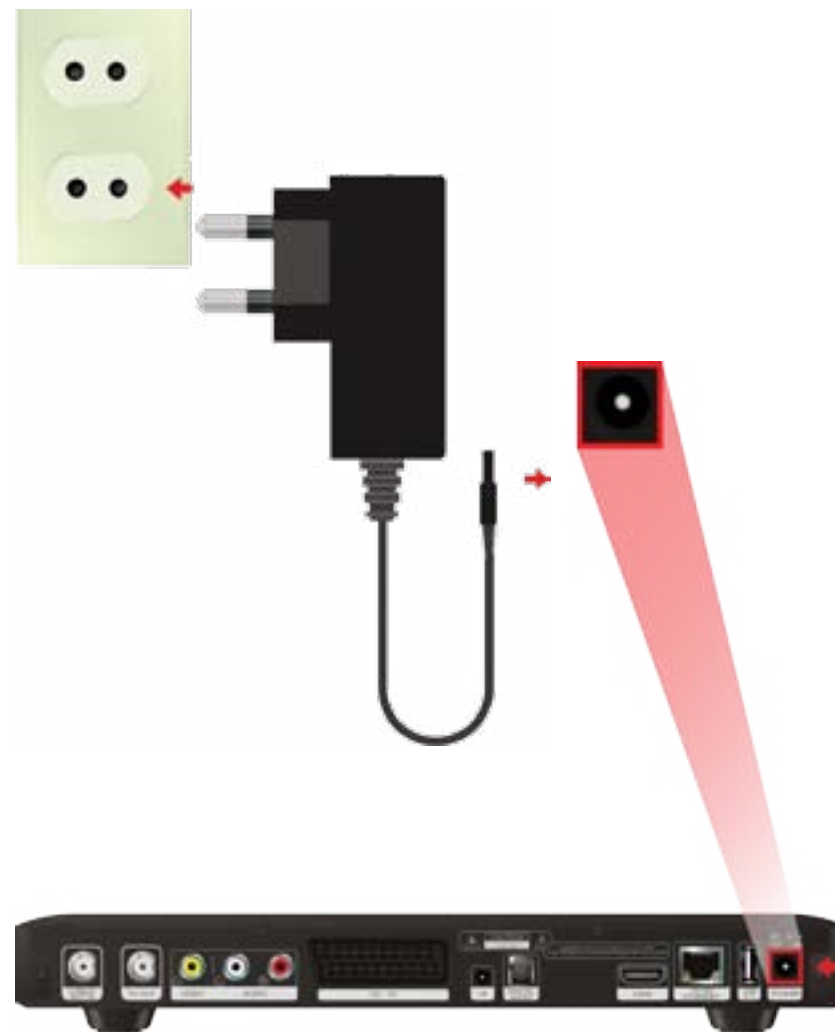
NOTE: For security purposes, the USM port may be locked by your service provider. Contact your service provider for more details.



Connecting to Power Source

1. Connect the power cord to the POWER port on the back of the Amulet.
2. Plug the AC power adapter to a power outlet.
3. Follow the on-screen instructions.

NOTE: Make sure your TV is turned on and the correct video input is selected.



Declaration of Conformity

	To ensure proper use of this product, please read this manual carefully and retain it for future reference. Should the unit require maintenance, contact an authorized service location.
	WARNING: This symbol indicates the presence of uninsulated dangerous voltage within the product's enclosure that constitutes a risk of electric shock. Do not open the product's case.
	CAUTION: This symbol indicates you must take care; there is risk of damage to the equipment or to yourself.
	Declaration of Conformity (Europe Only) This product is in conformity with the Council Directives: • EMC Directive 2004/108/EC • Low voltage Directive 2006/95/EC
 	Industry Canada statement: This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable. Radiation Exposure Statement: This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Declaration of Conformity (Continued)

	To prevent fire or shock hazard, do not expose this product to rain or moisture. To reduce the risk of electric shock, DO NOT remove the cover or back. No user serviceable parts are inside. For servicing refer to qualified personnel.
	Declaration of Conformity (United States Only) This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the Federal Communication Commission (FCC) Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures: • Reorient or relocate the receiving antenna. • Increase the separation between the equipment and the receiver. • Connect the equipment to a different circuit from that to which the receiver is connected. • Consult the dealer or an experienced radio/TV technician for help. FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Notes



©2013 Entone, Inc. Entone, Amulet and connecting the home are trademarks of Entone, Inc. Other company, product, and service names may be trademarks or service marks of others. All information contained in this document is subject to change without notice. Information contained in this document is provided on an as is basis. In no event will Entone be liable for damages arising directly or indirectly from any use of the information contained in this document. Subject to change without notice.